Belfrage Collection – Hymenoptera – Catalog

Coll. 908
#1

(1)

AMER. ENT.
SOC.
MS. E104

Hymenoptera Texana

Belfrage Coll.

bellicosa

✓ 121 Polistes ~~texana~~ Cr. ♀
✓ 122 " variabilis, Cr ♀
✓ 123 " minor, Cr ♀
✓ 124 " americanus, Fab ♀
✓ 125 Xylocopa texana Cr ♂
✓ 126 " " " ♀
✓ 127 Melissodes obliqua, Say ♀
✓ 128 Anthophora Smithii, Cr ♀
✓ 129 Nomia Nortonii, Cr. ♂♀
✓ 130 Pamnyus ornatipes, n.sp ♂
✓ 132 Halictus ~~mearbilis~~ albitarsis, n.sp. ♂
✓ 131 " albitarsis, n.sp ♂
✓ 133 Pamnyus albitarsis, n.sp ♂♀
✓ 134 Halictus ~~mearbilis~~ albitarsis, Cr. ♂
✓ 135 Ceratina dupla, Say
✓ 136 Halictus coactus Cr ♀
✓ 137 " ~~disparilis~~ consexus, Cr ♀
✓ 138 " stultus Cr ♀
✓ 139 " disparilis Cr. ♀
✓ 140 " ~~indistinctus~~ do ♀
✓ 141 " consexus Cr. ♀
✓ 142 " armaticeps, Cr.
✓ 143 " ~~laevicentris~~ similis, Sm ♀
✓ 144 Andrena miserabilis, Cr.
✓ 145 Andrena imitatrix, Cr. ♀
✓ 146 " texana, Cr ♂
✓ 147 " fisticeps, Sm ♂
✓ 148 " miserabilis Cr
✓ 149 Agapostemon tricolor, Say ♂

✓ 104 Mutilla Orcus. Cr.
105
106 } Formicidae — not studied
107
108
✓ 109 Labidus Sayi, Hald ♂
✓ 110 " mexicanus, Sm. ♂
✓ 111 " Harrisii, Hald ♂
✓ 112 " minor, Cress ♂
✓ 113 Odynerus exactus, Cr. ♀
✓ 114 Eumenes Belfragei, Cr.
115
✓ 116 Rhynchium dorsalis Fab
✓ 117 Polistes annularis, Linn. ♀
✓ 118 Polistes texana Cr
119
✓ 120 Polistes perplexus, Cr. ♂

✓ 95 Agama Sapajus, Bl ♂
✓ 96 " melicausa Bl ♂
✓ 97 " pallida, Bl ♂
✓ 98 Tiphia inornata, Say
✓ 99 Mutilla Copanus. Bl. ♂
✓ 100 Mutilla scrupea, Say ♂
✓ 101 " propinqua. Cr. ♂
✓ 102 Mutilla Grotei, Bl. ♂
✓ 103 " brazoria, Bl. ♀
(To first page)

48 Smicra dorsata, Cr. ♀
49 " delicata Cr ♀
50 Chalcis tegularis, Cr ♀
57 " ovata Say
52 Perilampus platygaster, Say
53
54
55
56 } Chalcididae – not studied
53
58
59
60 Aistata rufiventris, Cr ♀
61 " unicolor, Say. ♂
62 Trypoxylon frigidum, Sm ♂
63 " texense, Saus
64 Cerceris bicornuta, Guer ♀
65 Philanthus punctatus, Say ♂♀
66 Tachytes texanus, Cr ♂
67 " " " ♂
68 Lanada vinulenta, Cr.
69 Bembex Belfragii, Cr. ♂
70 Masaris texana, Cr. ♂♀
71
72 Pepsis marginata, Bv
73 Pepsis formosa. Say
74 Agenia Belfragii, Cr. ♂
75 Innocenemis fulvicornis, Cr
76 " " "
77 Pompilus philadelphicus, St Farg.
78
79 " tenebrosus, Cr.
80 " americanus, Bv ♀
81 Pompilus scelestus, Cr ♀
82 Parapompilus vicinus. Cr. ♀
83 Pompilus philadelphicus, St Farg.
84 Ceropales bipunctata, Say
85 Pompilus intemptus. Say ♂
86 Pelopoeus caerulens, Linn
87 Sphex ichneumonea, L.
88 Sphex tibialis, St Farg
89 Myzine sexcincta, Fabr
90 " " "
91 Scolia dubia, Say
92 " " "
93 " Lecontei, Cr
94 Agama flabella, Cr ♂

Augochlora lucidula, Sm
150 Dolichus Apicalis Nort
151 Augochlora texanus, Cr. ♀
152 " pura, Say
153 Andrena permitis, Cr. ♀
154 " " " ♀
155 Melissodes spissa, n. sp. ♀
156 " densa, n. sp. ♀
157 " honesta, n. sp. ♂
158 " ~~rivalis, n. sp.~~ ♂ obliqua Say
159 " ~~rustica, Say~~ ♂ mennachus Cr
160 " ~~pennsylvanica Lep~~ ~~Elegans n. sp.~~ ♂ (640 ♀)
161 Caenagus? aethiops, n. sp. ♀
162 " " " ♂
163 Nomada texana, Cr
164 Myachile grandis Cr. ♀
165 " " " ♀
166 " pruina, Sm ♀
167 " sanguinosa Sm ♀
168 " variolosa, n. sp. ♀
169° Hylotoma abdominalis, Leach. ×
170° " rubiginosa Bv – var. erythrosoma Leach ×
171° Ptenos nigropectus. Nort. ♂
172° do do ♀
173° Macrophya excavata, Nort., var. ×
174° Acordulecera dorsalis, Say, ♀
175° Selandria albicollis. Nort. ♂ ×
176° Nematus chlorcus, Nort. ♀
177 Tremex columba, ♂ ✓
178 " " ♀ ✓
179
180
181
182
183
184
185 } Cynipidae – not studied.
186
187
188
189
190
191
192
193
194
195 Pimpla notanda Cress, ♀ (also No 11) ✓
196 " conquisitor, Say ♀ (also 199) ✓

197	Pimpla sanguinipes, n.sp. ♀	✓	x	✓	1. Tenthredo nimbipennis, Norton. ♀
8	" annulipes, Br ♀			✓	2. Hylotoma miniata, Klug
9	" conquisitor, Say ♀			✓	3
200	" pehilca, n.sp. ♀	✓	x	✓	4 Ptenos niger, Nort. ♂
1	Lampronota parva, Cress ♀			✓	5 Ptenos texanus, Nort ♂♀.
2	" parva Cress ♀			✓	6 Hemichroa albidovariata, Nort ♀
3	Exochus erectus, n.sp. ♀	✓		✓	7 Selandria inaequidens, Nort. ♀
4	Pimpla annulipes Br ♂ ~~sogaciator, Say, ♀ immaturae~~			✓	8 Acordulecera dorsalis, Say, ♂
5	" indagatrix. Walsh ♂			✓	9 Ptenos nigropectus, Nort
6	Thalessa lunator, ♂. ♀			✓	10 Microdus thoracicus, Cr. ♂♀
7	Pimpla animosa, n.sp. ♀	✓	x	✓	11 Pimpla notanda, Cr. ♀
8	~~Panicus flavorufus, n. sp. ♀~~ shd be Ophion bilineatus			✓	12 Exochus atrocoxalis, Cr.
9	Paniscus geminatus, Say. ♂♀			✓	13
210	do do ♂			✓	14
1	Phylax Rogas ~~lineatus n.sp.~~ mellens Cress ♀			✓	15 Paniscus geminatus Say
2	Anomalon ~~albipenne, n.sp. ♂ seminiger~~ subvescens, Cress. ♂			✓	16
3	" orbitalis, n.sp. ♂			✓	17 Ophion bilineatus, Say.
4	" " " ♂			✓	18 Anomalon pallitarse, Cr. ♂
5	Exochilum nigrovarium Br. ♀	✓	✓	✓	19 Rhyssalia texana, Cr. ♀
6	~~Limneria Campoplex~~ corruptor n.sp. ♀			✓	20 Campoplex bellus, Cr. ♂ ~~var a~~
7	" illepidus n.sp. ♀			✓	21 Porizon andax, Cr. ♂
8	Campoplex ~~exacticaudatus~~ ♂ bellus Cr. ♂ var a			✓	22 " facilis, Cr
9	" expertus, n.sp. ♂			✓	23
220	Porizon hyalinipennis Cr. ♀			✓	24 Mesoleptus arvalis, Cr. ♀
1	" orbitalis Cr. ♀			✓	25 Alcicodes delicatus, Cr. ♂
2	Trachynotus texanus, Cr. ♀			✓	26 Ichneumon trogiformis Cr. ♂♀ +
3	~~Limneria Campoplex~~ infestus n.sp. ♀			✓	27 Ichneumon viola, Cr. ♀
4	Porizon facilis Cr. ♂♀.			✓	28
5	" agilis, ♀ n.sp			✓	29 Rogas nuperus, Cr. ♀
6	Anomalon mellenus n.sp ♀			✓	30 Bracon orbitalis, Cr
7	Porizon macer, n.sp. ♂			✓	31 "
8	" stigmatus, n.sp. ♂			✓	32 " faustus, Cr. ♀
9	Limneria obscura. Cress ♀ var			✓	33 " mavoritus, Cr. ♀
230	Limneria obscura, Cress. ♀ var.			✓	34 Agathis mirabilis, Cr.
1	" ~~rivalis~~ ~~sagax~~. n.sp. ♀	x		✓	35 Agathis vulgaris, Cr ♀
2	" rivalis, n.sp. ♀			✓	36 Bracon nuperus, Cr. ♀
3	Porizon? (immature unfit to describe)			✓	37 " xanthostigma Cr
4	Cremastus ficens. n.sp ♀			✓	38
5	Limneria annulipes Cress ♀ var			✓	39
6	Exetastes scutellaris. Cress ♀			✓	40 Alcicodes atricornis Cr. ♀
7	" scutellaris. Cress ♂			✓	41 " intermedius, Cr.
8	" bioculatus n.sp. ♂			✓	42 Phylax mellens, Cress ♂
9	Mesoleptus introitus, n.sp ♂.			✓	43 Chelonus texanus, Cress ♀
240	" discoidalis, n.sp. ♀			✓	44 Microdus pygmaeus, Cress. ♂
1	" thoracicus, Cress ♀			✓	45
2	~~Limneria~~ pertinax n.sp ♀			✓	46 Leucospis affinis, Say
3	Ichneumon propitius, Cress ♂			✓	47 Smicra iqnea, Cr. ♀

Mesostenus

244 ✓ ~~Exastes~~ arvalis, n. sp. ♀ (24. 245) ✓
5 ✓ " arvalis, n. sp. ♀ (24. 244) ✓
6° Mesostenus lingicandis, n. sp. ♀ x ✓
7 ✓ " arvalis ~~calcaris~~ Cres ~~Acratus, n. sp. ♀ red~~ - (also for Hay) ✓
8 ✓ " gracilis, Cres. ♂ ✓
9° Cryptus laticeps, n. sp. ♂ x ✓
250° " ~~compressus, n. sp.~~ ingeltus C.-! ♀ x ✓
1° Phygadeuon timidus, Cr ♂ ✓
2° Hemiteles conspicuus, n. sp. ♀ x ✓
3 ✓ Mesochorus electilis, n. sp. ♀ ✓
4° Porizon delicatus, n. sp. ♂ ✓
5 ✓ Cryptus buccatus, n. sp. ♀ ✓
6 ✓ " " " ♂ ✓
7 ✓ " sororius, n. sp. ♀ ✓
8 ✓ " calipterus, Say ♀ ✓
9 ✓ " " " ♀ ✓
260 ✓ " " " ♂ ✓
1 ✓ " " " ♂ ✓
2 ✓ Exetastes fascipennis Cr. ♀ ✓
3 ✓ Cryptus calipterus, Say ♂ ✓
4 R Ioppidium ~~flavicinctum~~ rubricatus Walsh ♂ (710) x ✓
5 ✓ Ichneumon caeruleus. Cres. ♀ ✓
6 ✓ " subcyaneus Cres ♀ ✓
7° " Belfragei, Cress ♂ ✓
8 O Cryptus ~~simulans, Hay~~ optimatus Hay ♀ ✓
9 ✓ Ichneumon rubicundus Cres ♀ ✓
270 ✓ Exetastes fascipennis Cr. ♂ ♀ ✓
1 ✓ " fascipennis, Cres. ♀ ✓
2 ✓ Barsus cyclophanta. Walsh ✓
3° Cryptus nuncius Say ♂ ♀ ✓
4 ✓ Rogas ~~Phygas~~ Phygas melleus ~~Insecatus~~ n. sp. ♂ x (see 211) ✓
5 ✓ Rogas ~~melleus~~ nuperus, n. sp. ♀ ~~x~~ (29) ✓
6 ✓ " delicatus, n. sp. ♀ ✓
7 ✓ " do " ♂ x ✓
8° Bracon Belfragei, n. sp ♂ ♀ x ✓
9 R Perilissus ~~(Bracon fasciatus)~~ ~~cephalus~~ Cr. ♀ (719) ✓
280 ✓ Bracon orbitalis, n. sp. ♂ ~~x~~ (~~see~~ 31 & 284) ✓
1° " — disjunctus, n. sp. ♀ x ~~abbt pars. hyp end~~ Constitutus ✓
2 ✓ " radiatus, n. sp. ♀ ✓
3 ✓ " Epicus, n. sp. ♀ ✓
4 ✓ " orbitalis, n. sp. ♀ (31 & 280) ✓
5 ✓ " fanestus n. sp. ♀ (32) ✓
6° Microdus verticalis. n. sp ♀ ✓
7 ✓ Agathis vulgaris Cr. ♀ (35) ✓
8 ✓ " ~~Exstratus~~ ~~expansus~~, n. sp. ♂ (8) ✓
9 ✓ " rubripes, n. sp ♀ ✓
290 O Bracon ~~collaris, n. sp~~ xanthopygus Cr (37. ~~sp. 29 sp~~) ~~x~~ ✓
♀ var. plena ♂ blk brunette

2910 Bracon ~~celatus n.sp.~~ ♂ ? ✓

2° " ~~?~~ n.sp. ♂ ? ✓

3° " var. of nuperus, n.sp. ♀ ? ✓

4 " ~~minimus, n.sp.~~ ♀ ? ✓

5° Microgaster ? ✓

6° " ? ✓

7° Dacnusa laeviceps, n.sp. ♀ ✓

8° Microgaster ? ✓

9° " ? ✓

3000 " ? ✓

1° " ? ✓

2° Opius brunneiventris, n.sp. ♂ ✓

3° Microdus ~~Apathes~~ pygmaeus, n.sp. ♀ (44 ♂) ✓

4° Microgaster ? ✓

6° Isochius laeviventris n.sp ♂ ✓

5R Rhygadeuon intermedius, Cress ♀ (712.)

7v Dacnusa minima, n.sp. ♂ ✓

8° Limneria ? wait descriptions now ✓

9v Exothecus atriventris, n.sp. ♀ ✓

3010° Mesoleptus ? stigmaterus, n.sp. ♂ ✓

1° " ? rotundiceps, n.sp. ♂ ✓

2v ?? (must for study) ✓

3° Perilitus ~~medialis, n.sp.~~ vulgaris, n.sp. ♂ ✓

4° Mesoleptus ? bicoloratus, n.sp. ♂ ✓

5v Gonatopus ?! alatus, n.sp. ♀ ✓

6° Dryinus atriventris, n.sp. ♀ ✓

7v Antigaster mirabilis, Nabk ✓

8° ? Chalcididae not studied ✓

9° Epyris analis, n.sp. ♀ ✓

3020v " rufipes, Say. (Bethylus) ✓

1v " laeviventris, n.sp. ♂ ✓

2v. Aleiodes intermedius. Cres. var ✓

3° Exothecus rugulosus, n.sp. ♀ ✓

4° Mesoleptus ? strigosus, n.sp. ♂ ✓

5v Aleiodes intermedius. Cr ~~var~~ ✓

6v " " var ✓

7v " ~~octoraceus~~ delicatus, n.sp. ♂ (25) ✓

8° ~~Chelonus~~ Phanerotoma tibialis, Nald ♂ (X) ✓

9R Chelonus ~~bicarinatus~~ Eleptus bicarinatus, n.sp retained (same as 733) ✓

3030v " ~~bicoloratus~~ texanus, n.sp. ♀ (43) ✓

1v " laticinctus, n.sp. ♀ ✓

2v Sigalphus texanus, n.sp ♀ ✓

3v Chelonus cautus, n.sp ♀ ✓

4v " minimus, n.sp ♀ ✓

5v Chalcididae (not studied) ✓

6R Aleiodes pilosus, n.sp. ♀ (735) ✓

7v Bracon texanus, n.sp ♀ ✓

12 31° Odynerus geminus, Cr. ♀
32° Pterochilus texanus Cr. ♀ XX
33° Odynerus uncinatus Fab. ♀
34° Pterochilus laticeps, Cr ♂ XX
35° Polistes canadensis, Lin ♀
36° Vespa cuneata Fab ♀.
37° Stomada texana Cr. ♀
38° Epeolus lunatus, Say ♂
39° " fumipennis Say. ♀
~~39°~~ Anthophora — ? ♀ too damaged to determine
12 40° Melissodes menuachus Cres ♀
41° Andrena verecunda Cr ♀ X
42° " " " ♀ X
43° Colletes (near americana Cr) ♂ XX
44° " (" " -) ♀ XX
45° (New gen. & new species) XX
46° Halictus? n.sp. ♂ XX
47° Alcidamea producta Cr ♂ XX
48° Halictus impunus Cr ♂
49° " albitarsis Cr ♂

✓338 ✓ Alcidoa graphicus, n.sp. ♂ ✓
✓ 9° " mandibularis, n.sp ♂ x ✓
✓340 ✓ " atricornis, n.sp. ♀ (40) ✓
✓ 1 ✓ Micrgaster maculipennis, n.sp. ♂♀ ✓
✓ 2 ✓ ~~Microdus~~ " ~~pedalis~~ cloccipes ~~fumigatus~~ n.sp. (39) ✓
✓ 3° Ichneutes abdominalis, n.sp. ♀ x ✓
✓ 4 ✓ Sinicra mirabilis, Cress. ♂ ✓
✓ 5 ✓ " ~~immaculata, Cress~~ delicata Cr ♀ ✓
✓ 6 ✓ " barbara, Cress ♂ ✓
✓ 7 ✓ " rufofemorata, Cress ♂ ✓
✓ 8° " faceta, Cress, var of 357 ♂ ✓ x
✓ 9° Chalcis pedalis, Cress. ♀ ✓ x
✓3500 " ovata, Say ✓ x
✓ 1° Sinicra bioculata, Cress. ♂ ✓ x
✓ 2° " subobsoleta, Cress ♂ ✓ x
✓ 3 ✓ " torrida, Cress. ♀ ✓
✓ 4° " sanguinipennis, n.sp ♀ ✓ x
✓ 5° " delicata, n.sp. ♂ ✓
✓ 6 ~~3~~ ° Returned - unfit for description ✓ x
✓ 7 ✓ Perilampus ?
✓ 8 ✓ " ?
✓ 9 ✓
✓360 ✓
✓ 1 ✓
✓ 2 ✓
✓ 3 ✓
✓ 4 ✓
✓ 5 ✓
✓ 6 ✓
✓ 7 ✓
✓ 8 ✓
✓ 9 ✓
✓370 ✓
✓ 1 ✓ Bracon - (unfit for study)
✓ 2 ✓
✓ 3 ✓
✓ 4 ✓

Chalcididae not studied

5 Chrysis
6 "
7 "
8 "
9 "
380. "
1. "
2. "
3. "
4. "

385 Chrysis
6 "
7 "
8 "
9 Larrada analis, Fabr
390 " trilobata, Say,
1 Astata unicolor, Say. ♀
2 " bicolor, Say, ♀
3 Oxybelus laetus Say. sp. (815) x ✓
4 " emarginatus, Say (816) ✓
5° Alyson texanus n. sp. ♂ x ✓
6 Anthidium concinnum, Cr (1017)
7° Mimesa pauper Pack. ♀
8 " tibialis Cr ♀ (755)
9° " " " ♂
400° Passaloecus annulatus, Say ♂
1 Sphex inornata, Say ♂
2° Crabro Trypoxylon tridentatum Pack ♀ ✓
3 Crabro 10-maculatus, Say. ♀ ✓
4 " do " ♀ ✓
5 " do " ♂ ✓
6 " do " ♂ ✓
7 " rufifemur, Packard ✓
8 " texanus, n. sp. ♀ ✓
9 Cerceris ~~venator, Cress~~ ♂ nimica, Cr
410 " fissa, Cr ♀ (762)
1 " ornata, Cr ♀ (763)
2 Philanthus ventilabris, Fabr ♀
3 " } ~~frontalis, Cress~~ ♂
4 " }
5° Cerceris compacta, Cress ♀
6° " nigrescens, Sm ♀
7 Nysson texanus, ♀ n. sp. (~~824~~) (786)
8 Tachytes validus, n. sp. ♂♀
9 " elongatus, n. sp. ♂ (822)
420 " } ~~frontalis~~ n. sp.
1 " } validus ♂ " var. female thinner & ant. except the black.
2 ~~Larrada~~ Tachytes elongatus, n. sp. ♂
3 Tachytes obscurus, n. sp. ♀
4 Chlorion ~~interruptus n. sp.~~ ♂ ventralis, Say (806)
5 ~~Nysson~~ ventralis, Say ♂
6 Nysson texanus ♀ n. sp (~~819~~) (725)
7° Masaris occidentalis, Cr ♂♀ x
8 Bembex Belfragei Cr. ♂
9 ~~Oxybelus~~ Podium rufipes, Fab ♂♀ (1112)
430 Pelopoeus cementarius, Drury
1 Sphex apicalis, Smith
(70) Masaris texana, Cr. ♂

1184
85
86
87 } Chrysididae - retained for study
88
89
1190
91° ? abd. broken off - Not found in box
92° Mimesa tibialis, Cr. ♀
93° Crabro (Rhopalum) n. sp. ♀ xx
94° Nysson? inermis, Cr. ♀ xx
95° Crabro sp. ? xx
96° " sp. ? xx
97° Cerceris n. sp near Compacta Cr xx
98° " occipitoornata, Pack ♀ xx
99° " n sp ♀ xx
1200° Nysson auriinotatus, Say. ♀
01° " texanus Cr ♂
2° Bembex monodonta, Say. ♀
3° Pompilus cylindricus Cr ♂
4° Aporus fasciatus, Sm. ♂
5° Pompilus - ? ♂
6° " (Priocnemis) validus Cr, ♀ x
7° " ferrugineus, Dahlb ♀
8° Parapompilus texanus. Cr. ♀
9° Ceropales fulvipes, Cr. ♂
1210° Agenia (near Belfragei Cr) ♂ xx
11° Mutilla Gila, Bl. ♂ (524) xx
12° Agama Damara, Bl
13° " pallida Bl
14° " " var
15° Labidus minor Cr
16° " Melsheimeri, Hald
17° Mutilla Waco, Bl. ♂ x
18° " Gorgon Bl ♀
19° " Waco, Bl. ♀
1220° " " " ♀
21° " " " ♀
22° " Creon Bl. ♀ (870) xx
23° " ferrugata Fab ♀
24° " ? ♀ xx
25° " ? ♀
26° " n. sp. ♀ xx
27° Odynerus, n. sp. ♀ xx
28° " clusinus Cr ♀ x
29° " ? ♀ xx
1230° " ? ♀ xx

1137° Mesoleptus ? ♂

38° Mesochorus electilis Cr

39° Bracon ? ? ♀ xx

1140° Rogas intermedius Cr

41° " " "

42° " " "

43° " " "

44° ?

45° Eubadizon maculiventris, Cr. ♂

46° Perilitus vulgaris, Cr. ♀

47° " communis, Cr ♀

48° Phylax mellens Cr ♂

49° " " " ♂

1150° Macrocentrus delicatus Cr ♂

51° Lissonota n.sp. ♀

52° Ichneumon zebratus, Cr ♀

53° " insolens. Cr. ♀

54° Cryptus sororius, Cr. ♀

55° " calipterus, Say ♀

56° Meristenus spinarius, Br. ♀ xx

57° Pezomachus texanus Cr. ♀ (719)

58° Bracon epicus Cr. ♀

59° " orbitalis Cr ♀

1160° Opius brunneiventris, Cr. (302) xx

61° Bracon nuperus Cr ? ♀

62° Stormius? aciculatus, Cr ♀ (723) xx

63° Chelonus melliventris Cr. ♀

64° " texanus, Cr var

65° " n.sp. ♂ xx

66° Sigalphus texanus, Cr ♂

67° Chelonus (near electus Cr) xx

68° Rogas n.sp. (near discoidens Cr) xx

69° " pilosus, Cr. (735)

1170° Epyris analis, Cr. ♀ (319) xx

71° Leucaspis affinis, Say ♂

72° Rhaconophora sulcata, Westw. ♂♀ xx
(Bell var)

73° Smicra mariae, Riley ♂

74° Chalcis ovata, Say

75° Smicra bisculata Cr

~~76 (one added further in number)~~ ? xx

77° Smicra deliria, Cr

78
79
1180
81 } Chrysidids - retained for Study

82° ♀ Bracon nuperus Cr? ♀

83 } Chrysidae - retained for study

1432 Sphex pennsylvanica, Linn

3 " tibialis, St Farg

4 Priononyx atrata, St Farg ♂

~~Ammophila luctuosa, Sm~~

5 " atrata, St Farg ♀

6 Sphex texana, n.sp.

7 Priononyx Thomae. Fabr.

8 Sphex ichneumonica, L ♀

9 " " ♀

440° " dubitata, n.sp ♀ ~~♂~~

1 " ichneumonea. L ♂

2 " habena, Say, ♂ also 442 ♂ spec. so numbered by Bethune ? S. dubitata Cr

3 Ammophila gracilis, St Farg. ~~♂♀~~

4 " ~~abstracta, n.sp~~. intercepta Say

5 " ~~petulans, n.sp~~ pictipennis W

6 " pictipennis, Walsh

7 " vulgaris, Cress.

8 " } ~~procacitas, n.sp.~~ Cryphus Sm

9 " } "

450 " ~~pergracilis. n.sp~~ "

1 " ~~perplexa, n.sp~~. vulgaris Cr

2 " inepta Cress ♂ x

3 " vulgaris. Cress ♀

4 " inepta, Cress ♀ x

5 Stizus speciosus, Drury ♂

6 Cerceris bipunctatas, Say ♀

7 " nigripes, Cress. ♀ x

8 Cerceris texana, n.sp. ♂ x

9 Pompilus interruptus, Say ♀

460 " " ♂

1 " " ♂ var.

2 Priocnemis nuperus, Cr ♀ x

3 ~~Priocnemis~~ dorsalis, n.sp. ♀ (849) x

4 ~~Priocnemis bicolor~~

5 Pompilus ~~defundatus~~ texanus, n.sp. ♀

6 " laevifrons. Cress. ♀

7 " vicinus, Cress ♀ } (82)

8 " " " ♀ }

9 Pompilus ingenuus. Cress ♂

470 " " "

1 Planiceps feralis, n.sp. ♀ x

2 Pompilus philadelphicus, St F. ♀ ♂

3 " ingenuus, Cress

4 " philadelphicus, St F. ♂

5 " ♂

6 " mauricus, Cress, St

7 " ingenuus. Cress ♂

8 " scelestus. Cress. ♀ (81)

479 Pompilus tenebrosus. Cress. ♀
480 " " " ♀
1 " atrox. Dahlb. ♀
2 " validus ♀ Cr. ♀
3 " marginatus, Say. ♀
4° Agenia longa Cr ♀ X
5° Agenia ♀ fasciatus, Sm ♂ X
6 Larrada argentata, Br
7 Agenia architecta. Say ♀
8° Priocnemis facetus. Cr ♀
9 Pompilus cylindricus. Sm. ♂
490° Agenia minimus, Cr ♂ X
1 Pepsis dubitata, Cress ♀
2 Priocnemis fulvicornis, Cress ♀
3 " " " ♀
4 " " " ♂
5 " flammipennis, Sm. ♀
6 Agenia Belfragii, n. sp. ♂
7 Pepsis marginata, Br. ♀ var
8 " ~~calcarata Lisse~~ ♀ formosa Say
9 " marginata, Br ♀
500 " " ♀
1 " " ♀
2 Myginnia undulata, Dahl. ♂
3 Pepsis ~~cyanea~~ ♂ formosa Say
4 " ~~cocalea Lam~~ ♂ do —
5 " marginata Br ♂
6 Priocnemis texanus n. sp. ♀
7 " " ♂
8 " " ♂ (retained) 844
9 Myginnia undulata, Dahlb. ♂
570 " " ♀
1 " " ♀
2 Pepsis marginata Br. ♂
3 " ~~quadrata, St Fig~~. ♂ var of formosa Say
4 Elis plumipes Drury ♂ ♀
5° " ~~Xantia~~ Saus texensis, Saus ♂ X
6 " Xantia Saus ♂ = flavimarginata Cr.
7 " " " ♀ = aequatrix Cr.
8 Scolia Leconti Cr.
9 Tiphia inornata Say ♀
520 " " ♀
1 " " ♀
2 " " ♂
3 " " ♂
4° Mutilla vila. Bl. ♂ X
5° Agama tapajos Bl ♂

1090° Coelioxys inscita Cr. ♀
1° " " ♀
2° " texana, Cr ♂ X
3° " " ♂
4° " " ♀
5° " ? ♂ X
6° Osmia texana, Cr. ♂ XX
7° " " ♂
8° " near vicina Cr. ♂ XX
9° Megachile osmoides, Cr ♀ X
1100° " " ♀ X
1
2
3° Megachile prob. ♂ ♀ 1104. X
4° Megachile variolosa, Cr ♀
5° Apathus elatus, ♂ ♀
6° " ♂
7° Bombus ferviduc. Cr. ♀
8° Apathus variabilis. Cr ♂
10° Pimpla indagatrix, Walsh ♂
01° Abia Kennicotti, Nort. ♂ X
11° Aleiodes intermedius, Cr
12° Podium rufipes, Fab ♀ X
13° Prionomyx bruneipes, Cr. ♂ XX
14° Sphex rufiventris, Cress. ♀ XX
15° Sphex abdominalis, Cress. ♂ XX
16° Hylotoma miniata, Klug
17° ? XX
18° Selandria ? XX
19° " ? XX
1120° Emura ? XX
21° Acordulecera ? } prob. var ♂ XX
22° " ? } dorsalis Say. XX
23° Pimpla annulipes, Br. ♀
24° " notanda, Cr. ♂
25° Exochus ~~nubilus~~, Cr. ♀ XX n. sp.
26° Limneria ? ♂ XX
27° " ? ♀ XX
28° Porizon ? ♂
29° Cremastus piceus Cr ♀ var (284)
1130° Trachynotus ? ♂
31° Porizon delicatus, Cr. ♂ (284)
32° ~~Trachynotus~~ Phanerlia n. sp. ♀
33° Trachynotus ? ♂
34° " texanus Cr ♀ 222
35° Mesoleptus? ♀
36° " ? ♂

1043° Megachile n. sp? ♂ ×
4° " fugalis, Cr. ♂ ×
5° " n. sp? ×
6° " gentilis, Cr ♂
7° " n. sp? ♂ ×
8° " gentilis, Cr ♂ ×
9° " " " ♂
1050° " " " ♂
1° " brevis, Say ♂
2° " studiosa, Cr. ♀ ×
3° " pruinosa, Sm. ♀ ×
4° " " " ♀
5° " " " ♀
6° " " " ♀
7° " " " ♀
8° Megachile fugnata, Say ♀
9° " n. sp? ♀ ×
1060° " pruinosa, Sm. ♀
1° " optiva, Cr ♀ ×
2° " languinosa, Sm ♀
3° " n. sp? ♀ ×
4° " mista. Cr. ♀
5° " languinosa, Sm ♀
6° " " " ♀
7° " mista Cr ♀ ×
8° " languinosa, Sm ♀
9° " " " ♀
1070° Coelioxys ? ♂ ×
1° " near dubitata Sm ♀ ×
2° " ? ♂ ×
3° Coelioxys edita, Cr. ♂ ×
4° " " " ♂
5° " " " ♂
6° " " " ♀ ××
7° " ? ♂ ×
8° " scitula, Cr. ♂ ×
9° " " " ♀ ×
1080° " " " ♀
1° " edita, Cr. ♂
2° " 8-dentata, Say ♂ ×
3° " " " ♂
4° " ?? near brevis Cr ♂ ×
5° " ? ♂ ×
6° Coelioxys texana, Cr. ♀
7° " " " ♀ ×
8° " " " ♀
9° " insecta, Cr. ♀ ×

526° Agama pallida Bl ♂
7° " hyalinica Bl ♂
8R " hyalina, Bl. ♂ (527)
9° " Danaus Bl ♂
530R " " " ♂ (529)
1° " Clara Cr ♂
2° Mutilla auripilis, Bl. ♂
3 Agama imperialis, Bl. ♂
4 Agama nokomis Bl. ♂ var
5 " Belfragei Bl. ♂
6° Mutilla gorgon, Blake ♀ ×
7° " Clensa. Cr ♀
8° " Leda, Bl. ♀ ×
9 " bellona Cr. var ♀
540 " Waco. Bl. ♀
1 " similima, Sm. ♀
2 " ferrugata, F. ♀
3 " balteola Bl ♀
4 " scaevola Bl ♀
5° " ornativentris Cr ♀
6 " Brazoria, Bl ♀
7 " ferrugata F ♀
8° " Promethea, Bl. ♂
9° " Sayi, Bl — ♂
550 " fenestrata F ♂
1 " ~~Lobo-a, Bl.~~ mutata Bl ♀
2° Labidus Melshaeneii, Hald ♂
3° " minor Cress ♂
4° " nigrescens, Cress ♂ ×
5 Formica. } Not studied ×
6 "
7 "
8 "
9 Sclerodenna
560 Formicidae
1 (broken) ?
2 Monobia quadridens, Linn ♂
3 Pterochilus 5-fasciatus Say. ♀
4R Rhyschnium dorsale. Fabr ♀ (890)
5 " } firmus, Cress, ♀
6 "
7° " designatus. n. sp. ♀ ×
8° Rhyschnium dorsale. Fab ♂
9R " " " ♂ (568)
570R Odynerus clusinus Cr (905.)
1R " dilectus Cr (907)
2 " verus. n. sp. ♀

Collection — Hymenoptera — Labels

verus

573 Odynerus ~~texanus~~, n. sp. ♀
4° " clusinus, Cr ♂ X
5R " verus, Cr ♂ (899)
6° " geminus, Cr ♀ X
7 " campestris, Saus. ♀ (567) ♂
8R " foraminatus, Saus ♀ var (910)
580R " colon, Cr ♀ (914)
579 " ductus, n. sp. ♂
581 " fulvipes. Saus ♀ (X)
2 " anormis, Say ♀
3 " fundatus, n. sp. ♀
4 " ~~Megas. texanus~~ australipes Cr ♀ ~~X~~ X
5 " " " ♂
6° " fundatus, Cr ♂
7 " campestris, Saus. ♂ (577 ♀)
8° " n. sp.? ♂ X
9 " anormis, Say ♂
590 Pterochilus laticeps, n. sp. ♀
1R Odynerus bellulus. Cr ♀ (924)
2° " electus, Cr. ♂ X
3 Eumenes fraterna, Say ♀
4 Polistes texana, Cues. ♀
4 " generosus, Cues ♂
6 " variabilis, Cues. ♂♀
7 Megachile fortis, n. sp. ♂
8R " pollicaris, Say ♂ (1028-28)
9R " disparilis, Cr ♂ (1031)
600 " inimica, n. sp ♀
1 " amica, n. sp ♂
2R " facunda, Cr. ♂ (1042)
3R " pugnata, Say ♀ (1035)
4 " cognata. n. sp ♀
5 " ? ♀ X
6R " brevis, Say ♂ (1057)
7° " ? ♀ X
8° " gentilis, Cr ♂
9 " exilis. n. sp ♂
610° " n. sp? ♀ X
1R " fraterna, Sm. ♀ (1053-57)
2° " exilis, Cr ♂
3R Stelis lateralis, Cr. ♀ (655) Retain.
4 Megachile confinis, n. sp ♀
5R " aptera, Cr ♀ (1061)
6° " } languinosa, Sm ♀
7° " } ♀
8° " } ♀
9 Coelioxys ~~obtusata~~ ♂ ♀
texana. Cr. ♂

995° Melissodes apicata, Cr ♀
7° Melissodes atripes, Cr ♀ X
8° " near rivalis Cr ♂
9° " obliqua, Say ♂
1000° " texana, Cr ♀
1° Megachile ocimoides, Cr ♂ X
2° " " " ♀
3° Andrena Belfragei, Cr. ♀ X
4° " perimitis, Cr ♀ X
5° " melliventris, Cr ♀ X
6° Anthophora Smithii, Cr ♀ ?
7° Centris lanosa, Cr. ♂
8° Epeolus remigatus, Fab ♀ X
9° " lunatus, Say ♀
1010° " " " ♂ var. X
1° " " " ♀ var X
2° " " " ♀ do
3° " n sp.? ♀ XX
4° Epeolus lunatus, Say ♀
5° " " " ♂
6° " funipennis, Say ♀
7° Anthidium tricinctum, Cr ♀ X
8° " rotatum, Latr. ♀ X
9° " interruptum, Say ♀ ♂
1020° Stelis crotalis, Cr ♀ X
1° Megachile xylocopoides. Cr ♂ XX
2° Megachile comata Cr ♂ XX
3° " albitarsis, Cr ♂ X
4° " pollicaris, Cr ♂
5° " " " ♂
6° " " " ♂
7° " " " ♂
8° " " " ♂
9° " pugnata, Say ♂ X
1030° " " ♂ X
1° " disparilis, Cr ♂ X
2° " grandis Cr ♀
3° " " " ? ♀
4° " " " ♀
5° " pugnata, Say. ♀
6° " lucrosa, Cr ♀ X
7° " grandis, Cr. ♀
8° " " " ♀ X
9° " " " ♀ X
1040° " " " ♀
1° " " " ♀
2° Megachile facunda, Cr ♂ X

949 Halictus albitarsis, Cr ♂
950 " " " ♂
1 " ? ♂
2 " albitarsis, Cr ♂
3 " ? ♂
4 " albitarsis Cr. ♂
5 " " " ♂
6 " " " ♂
7 " " " ♂
8 " ? ♂
9 " albitarsis, Cr ♂
960 " " " ♂
1 " " " ♂
2 " ? ♂
3 " connexus Cr. ♀
4 Halictus connexus, Cr. ♀
5 " " ♀
6 " disparilis, Cr ♀
7 " mesopilosus Sm ♀ X
8 " connexus. Cr. ♀
9 " ? ♂
970 " connexus, Cr ♀
1 " connexus Cr.? ♀ X
2 " stultus, Cr. ♀
3 " ?
4 " stultus, Cr. ♀
5 Prosopis affinis, Sm ♀
6 Ceratina dupla, Say ♀
7 Panurgus n.sp.? ♀ XX
8 Melissodes pygmaea Cr ♀ X
9 Colletes n.sp.? ♀ X
980 Colletes inaequalis, Say ♀ X
1 " ? X
2 " ? X
3 Melissodes Belfragei, Cr ♀ XX
4 " ~~n.sp.~~? urcina ♂
5 " densa. Cr ♂
6 Melissodes texana, Cr. ♀
7 " mennachus. Cr. ♀
8 " ?? ♀ X
9 " pennsylvanica, Sm. ♂
990 " " " ♂
1 " mennachus. Cr ♂
2 " " " ♂
3 " n.sp.? ♂ X
4 " brevicornis. Cr. ♂
5 " intermedia, Cr. ♀ X

620 R Coelioxys insita, Cr ♀ (1089-91)
1 R " scitula, Cr ♂ (1078-80)
2 Epeolus lunatus Say ♀
3 " " Say ♂
4 R Melissodes urcina, n.sp. ♀ (984)
5 " intorta, n.sp ♂
6 " albata, n.sp. ♀
7 " " " ♂ X
8 " " ♂
9 " rivalis " ♂
630 " ~~vestita Say~~ ♀ mennachus Cr
1 " comanche, n.sp. ♂
2 " obliqua, Say. ♂
3 " obliqua, Say. ♀
4 " ~~vestita Say ♀ an~~ texana Cr ♀
5 Nomia Nortonii, Cress, ♀
6 Melissodes ~~dubitata n.sp.~~ ♀ ?
7 " ~~vestita Say~~ ♀ mennachus Cr
8 " exavata, n.sp. ♀
9 Anthophora texana, Cr. ♀ X
640 R Centris lanosa, Cr. ♂ (1007)
1 Anthophora bombiformis, Kirby
2 Andrena reflecta, Cr ♂ van X
3 Melissodes ~~elegans n.sp.~~ ♀ pennsylvanica ♂
4 Andrena verecunda, Cr ♀ X
5 Colletes albescens, Cress ♀
6 " americana, Cress ♀
7 Osmia, ~~exanthemata n.sp.~~ cyalybea, Sm ♀ X
8 " do ♀
9 " subfasciata, n.sp. ♀
650 " do ♀
1 " do ♂
2 R " do ♂ (651)
3 " do ♀
4 " ? too much denuded to determine
5 Stelis lateralis Cress ♀
6 Alcidamea producta, Cress. ♂
7 Nomioides luciolula, Sm
8 Halictus occidentalis, n.sp. ♂
9 " ornatipes, n.sp ♂
660 Colletes simplex, Cress ♂
1 R Melissodes pygmaea, Cr. ♀ (978)
2 " ~~pygmaea n.sp.~~ ♂ n.sp? X
3 Andrena reflecta Cr ♂ X
4 " brunneiventris, Cr. ♂ X
5 Halictus bardus, n.sp. ♀
6 Perdita albipennis, Sm ♂

667 Halictus lucorius, n. sp. ♀
8 " coactus, n. sp. ♀
9 " albitarsis, n. sp. ♂
670 " albitarsis, n. sp. ♂
1 " ornatipes, n. sp. ♂
2 " do do
3 Panurgus ornatipes, n. sp. ♂
4 " " gracilipes, n. sp. ♂
5 Halictus ornatipes, n. sp. ♂
6 Sphecodes texana, n. sp. ♂
7 " do ♂
8 " mandibularis, n. sp. ♀
9 " dichroa, Say ♀
680 " texana, Cr. ♀ X
1 Augochlora pura, Say ♂
2 " do ♂
3 " nan pura Say X
4 Halictus albipennis, Cr. ♂
5 Halictus ~~indistinctus~~ discopygius n. sp. ♀
6 Bombus pennsylvanicus, DeGeer ♀ ♂
7 " " " ♂
8 " americanorum, Fab. ♀
9 " " " ♂
690 " pennsylvanicus, DeGeer ♀
1 Apathus variabilis, Cr ♂ (1108)
2 Bombus pennsylvanicus, DeG. ♀
3 Apathus variabilis, Cr ♂
4 Bombus americanorum Fab ♀
5 Apathus clatus. Fab. ♂
6 Bombus americanorum, Fab. ♀
7 Nomada fraternalis, Mort. ♂ X
8 Nomia adunca, Mort. ♂ X
9 ~~Nomada fervida, Cr. ♀~~ Tetronarcys semimigrans Cr ♀
700 Labena grallator, Say ♀
1 Exhalictus tuberculatus, Fabr. ♀
2 Pimpla inquisitor, Say
3 Exochus texanus, Cr ♂ X
4 Ophion biforcolatus, Br. ♂
715 Mesoleptus delicatus, Cr ♀ X
716 " " ♂ X
70 Ichneumon nitidulus ♂
8 Charops tibialis, Cr. ♂ X
9 Limneria fusa. Cress ♀ X
710 Ophidiscus rubricosus ♀
1 Ichneumon rubicundus, Cress ♂
2 Phygadeuon intermedius, Cress ♀ X
3 Helcon texanus, Cr ♀ X

902 Odynerus ductus, Cr. ♂ X
3 " fusus. Cr. ♂ X
4 " " " ♂ var X
5 Odynerus clusinus, Cr ♀ X
6 " verus Cr ♀ var ♂
7 " ductus Cr ♀ X
8 " manifestus, Cr ♀ X
9 " " ♂ X
910 " foraminatus, Saus ♀
1 Odynerus tigris, Saus ♀ X
2 " " " ♂ X
3 " foraminatus, Saus var ♂ X
4 " colon, Cr ♀ X
5 " " " ♂ X
6 " apicornis, Say ♀
7 " fundatus, Cr ♂ X
8 " " " ♂
9 " " " ♀ X
920 " austrinus. Cr ♂ X
1 " Taos, Cr. ♀ X
2 " austrinus, Cr ♀ X
3 " Taos, Cr ♂ X
4 " bellulus, Cr. ♀ X
5 " anormis, Say ♀
6 " vagus Saus ♀ X
7 " anormis, Say. ♀
8 Eumenes Bollii, Cr ♂ X
9 Vespa cuneata, Fab ♀
930 Odynerus texanus, Cr. ♀ X X
1 Polistes bellicosus, Cr ♀ X
2 " minor, Bv. ♀ X
3 " bellicosus, Cr. ♂ X
4 Polistes perplexus, Cres ♂ X
5 " canadensis, L ♀ X
6 " perplexus, Cress ♂
7 " rubiginosus, Sm. ♀
8 " " " ♂ X
9 " " " ♀
940 " " " ♀
1 Nomada lepida, Cr ♂ X
2 Augochlora pura, Say
3 Halictus armaticeps, Cr ♀
4 " texanus, Cr ♀ X X
" " " ♂ X X
Andrena bisemilata, Cr ♂
7 " ? X
8 Halictus albitarsis, Cr ♂

✓ 855° Scolia nobilitata, Fab. ♂ var ×
✓ 6° " " " ♂
✓ 7° Myzine costata, Say, ♀
✓ 8° " dubiosa, Cr. ♀ ×
✓ 9° Agama Aulus, Bl ♂ ×
✓ 860° " juxta, Bl. ♂ ×
✓ 1° pallida Bl. ♂ ? ×
✓ 2° " minuta, Bl. ♂ ×
✓ 3° " attenuata Bl. ♂ ×
✓ 4° Mutilla bioculata Cr. ♂ var. ×
✓ 5° " macilenta Bl ♂ ×
✓ 6° " fenestrata Sf. ♂
✓ 7° " Oceola. Bl. ♂ ×
✓ 8° Mutilla Chiron, Bl. ♂ ×
✓ 9° " " " ♂ var ×
✓ 870° " Creon, Bl. ♂ ×
✓ 1° " Crensa, Cr ♀
✓ 2° " Waco. Bl. ♀ ×
✓ 3° " " " ♀ ×
✓ 4° " " " ♀ ~~×~~ abd. off
✓ 5° Mutilla Zelaya, Bl. ♀ ×
✓ 6° Mutilla ornativentris, Cr ♀ × var
✓ 7° " " " ♀ × var
8
✓ 9° " ferrugata, Fab ♀
✓ 880° " " " ♀
✓ 1° " scævola, Bl. ♀ var ×
✓ 2° " ferrugata. F. ♀
✓ 3° " " " ♀
✓ 4° " " " ♀
✓ 5° ~~Apterus unicentris Cr ♀~~ ~~×~~ sinistrix Say ♀
✓ 6° Mutilla ferrugata, F. ♀
✓ 7° " grandiceps. Bl ♀ ×
8° " " " ♂ ×
✓ 9° Minobia quadridens. L ♂
✓ 890° Rhyssium dorsale. Fab ♀
✓ 1° Odynerus fusus Cr ♀ ×
✓ 2° Rhyssium dorsale. Fab. ♀ var
✓ 3° " " " ♀ var
✓ 4° " " " ♂ var
✓ 5° Odynerus fusus Cr ♂ ×
✓ 6° Rhyssium dorsale Fab ♀ ×
✓ 7° " " " ♀
✓ 8° Odynerus erectus, Cr ♀ ×
✓ 9° " verus. Cr ♂ ×
✓ 900° " " " ♂ ×
✓ 1° " " " ♂ ×

✓ 714° Phylax mellenus, Cress. ♂
✓ 705° Mesochorus uniformis, Cr. ♀ ×
✓ 706° " " " ♀ ×
✓ 717° Perilitus vulgaris, Cress. ♀
✓ 8° " " ♀
✓ 9° Bezomachus texanus, Cr ♀ ×
✓ 720° Alcidodes intermedius, Cr. ♂
✓ 1° " molestus, Cr. ♀ ×
✓ 2° Hemiteles utilis, Nort ♀ ×
✓ 3° Hormius aciculatus, Cr ♀ ×
✓ 4° Bracon novitus, Cr ♂ ×
✓ 5° " orbitalis, Cr ♂
✓ 6° ? ♀ ×
✓ 7° " orbitalis. Cr ♀
✓ 8° " " " ♂
✓ 9° " nigriceps. Cr, ♀ ×
✓ 730° Bracon minimus, Cr ♂♀ ×
✓ 1° " xanthostigma, Cr. ♀
✓ 2° Microdus nigriceps, Cr. ♂ ×
✓ 3° Chelonus electus. Cr ×
✓ 4° " connectens, Cr. ♀ ×
✓ 5° ~~Bracon orbitalis, Cr~~ Alcidodes pilosus, Cr. ♀
✓ 6° Leucospis texana, Cr. ♂
✓ 7° ~~Bracon orbitalis, Cr~~ Leucospis texana Cr. ♂
✓ 8° Leucospis affinis, Say ♂
✓ 9° ~~" nigriceps Cr ♀~~ do ♀
✓ 740° ——— do ——— do ♂
1° ~~Ch.~~ Smicra? —— ?
2° " ? ?
3° Chalcididae ?
4
5
6
7
8 } Chrysis — Retained for study
9
750
1
2
3
4
✓ 5° Minerva tibialis Cr ♀
✓ 6° Astata terminata Cr ♂ ×
7
✓ 8° Xylocopa tridens Lat. ♀ ×
✓ 9° Eucerus zonatus, Say ♂ ×
✓ 760° Cerceris nimica, Cr ♂♀ ×

761° Cerceris nevadica, Cr. ♀
2° " fimbriata, Cr ♀
3° " morata, Cr ♀
4° Cerceris clypeata, Dahlb. ♂
5° " jucunda, Cr ♂ x
6
7° Cerceris compacta, Cr ♂ ♀
8° " Kennicottii, Cr. ♂ x
9° Crabro 10-maculatus, Say
770° Tachytes distinctus, Sauss ♀
1° " elongatus, Cr ♂
2° " rufofasciata, Cr. ♂ x
3° Larrada terminata, Sauss ♀
4° Tachytes abdominalis, Say. ♀ x
5° Larrada Belfragii, Cr. ♀ x
6° Larrada texana Cr ♂
7° " ♀
8° Tachytes ~~clypeatus~~ sericatus, Cr. ♂
9° Larrada argentata Br ♀
780° " " ♀
1° Larrada subita, Say ♀
3° " americana, Cr. ♀ x
2° " ? ♂ x
4° Lyroptes Belfragii, Cr ♀ x
5° Stizoeus texanus, Cr ♀
6° " " " ♀
7° " " " ♂ x
8° ~~Tachytes sericatus Cr.~~ ♀ x
9° Minedula pictiformis, Sauss. ♂ x
790° Minedula formosa Cr ♂ x
1° Bembex Sayi. Ceres ♀ x
2° Bembex nubilipennis, Cr ♂
3° " " " ♂
4° " " " ♂
5° " " " ♂
6° " " " ♂
7° " " " ♀
8° " " " ♂
9° " " " ♀
800° " " " ♀
1° Minedula 4-fasciata Say ♀ x
2° " ventralis, Say ♂
3° " " " ♂
4° " " " ♂
5° " " " ♂
6° " " " ♂
7° " " " ♀

808° Minedula ventralis, Say ♀
9° " " " ♀
810° Minedula 4-fasciata, Say ♂ x
1° " ventralis, Say ♂
2° " " " ♂
3° " " " ♂
4° " " " ♂
5° Oxybelus laetus, Say
6° " marginatus, Say
7° Sphex Belfragii, Ceres ♂ ♀ x
8° " lauta, Cr. ♀ x
9° Sphex flavipes, Sm. ♀ x
820° Prionyx Thomae F. ♂
1° Ammophila intercepta, St Farg ♂
2° Pompilus philadelphicus, St Farg ♀
3° " tenebrosus, Cr ♂
4° " scelestus, Cr. ♀
5° " tenebrosus Cr ♀
6° A " " " ♂ x
7° Priocnemis cinicus. Say. ♀ x
8° Pompilus tenebrosus, Cr ♀ x
9° " " " ♀ x
830° " tropicus, Linn ♀
1° " marginatus, Say ♀
2° " " " ♀
3° " " " ♀ var x
4° " " " ♀ var x
5° Aporus unicolor, Cr. ♀ x
6° Agenia accepta Cr ♀ x
7° " ? ♂ x
8° " ? ♂ x
9° Pompilus ? ♂ x
840° Priocnemis nothus, Cr ♀ x
1° Priocnemis terminatus, Say ♂ x
2° " " " ♀ x
3° " texanus, Cr ♂ x
4° " " " ♂
5° " " " ♀ x
6° Parapompilus texanus Cr ♀ x
7° Cerropales elegans, Cr ♀ x
8° " filipes. Cr. ♀ x
9° Notocyphus dorsalis, Cr. ♀ x
850° " texanus, Cr x
1° Pepsis marginata, Br. ♂
2° Myginnia ustulata Dahlb ♂
3° Pepsis marginata, Br ♀ var sericata x
4° Scolia dubia, Say ♂

(Belfrage's Notes on spec. sent to Cresson

Belfrage Collection – Hymenoptera – Catalog

Belfrage's Notes on spec. sent to Cresson

70.	Masaris texana Cress ♀	n.sp	X
71	Pepsis marginata, Beauv.	♀	
72	" ~~Lamarck, Dahlb.~~	♂	
73	" quadrata, Cresson.	♂ var.	X
74	Pompilus (Agenia) Belfragei. Cresson	♀ n.sp	X
75	" (Anoplius) fulvicornis	n ♀	
76	" " "	" ♀	
77	" Philadelphicus Say.	♀	
78	" tenebricus Cres. ♀		X
79	" " " ♀		
80	" americanus Beauv ♀		
81	" sceleratus Cres. ♀		
82	Ferreola vicina Cres ♀		n.sp
83	Pomp. Philadelphicus Say. ♂.		
84	Ceropales bipunctata Say ♂		
85	Pomp interruptus Say ♂ ♀		
86	Pelopoeus caeruleus L. ♂		
87	Sphex ichneumoneus L. ♂		
88	" tibialis Say		
89	Myzine sexcincta F. ♂		
90	~~Colia~~ ♂ - ♀		

Acad. Nat. Sci.
1981
EDITOR'S OFFICE.
Ezra Townsend Cresson
Practical Entomologist.

Notes on some Hymenoptera Fossa sent to Dr. S. Cresson Esq. of Philadelphia
March 1872.

AMER. ENT. SOC. MS. E 104

✓ 698 Feb. 25th. 8 ♂ specimens. Several ♀ found in the first days of March. In box 1874.

✓ 220. Pepsis hyalipennis n.sp. ♂.

✓ 227. " mera n.sp. ♀.

✓ 228. " stigmatica n.sp. ♀.

✓ 273, 268 Determined as Cryptus nuncius Say ♂ ♀. 268 seems not to be the ♀ of 273. Having hatched (in Octob) both sexes from a pupa of Tachytes polyphemus (1108 ♂. 1077). I return the same to you, adding under the N° 273 the true ♀.

✓ 290-292, 37. Remind me Braeon collaris n.sp. Seems to be 2 species.

✓ 759. Single specimen in Sept.

✓ 760. Cerceris? By this number (409) I received a ♂ named C. venator Cress. I send N° 760 both sexes, the ♀ of which does not agree with the description of that species given by Dr. Packard in his fossorial Hymenoptera. I have frequently found this species "in copula." = mimica Cress. {Packard should have said ♂ inst ♀ in table

✓ Cerceris fumipennis Say. 2 specimens collected in various Texas.

✓ Larra cincinnata Say. 2 specimens found in Bosque Co., W. Texas.

✓ 658. Hoplisus occidentalis. n.sp. ♀.

✓ All the species of the genus Tachytes are found in September on flowers of wild Sage (Lorater capitatum). N° 770, 771, 774. common. 772 rare.

✓ 783-784. Single specimen found in Sept.

✓ 1112. The first specimens I met of this species was seen running on a trunk of tree.

Afterward I captured several specimens in the house where I am residing in (Bryan Co)

✓ Prionyx Thomae. On flowers of Chamaecrista in Aug. common.

✓ 817. ib ib. in Sphex Belfragii

✓ 818, 819. " " " rare } " Cuneata " Haldemani

✓ 820. " " " common. Prionyx Thomae

✓ 442. A number of specimens found on Solidago flowers in Sept.-Oct. Sphex habena

✓ 436. With the preceding spec. very abundant. " texana

✓ 841. A common species in w. Texas on flowers of Croton capitatum. Pseudoterminatus

✓ 848. Single specimens in Octob. on Solidago flowers. Ceropales fulvipes

✓ 849-850 Rare species found on Solidago flowers in Sept & Oct. Trichocephalus Texanus

✓ Scolia dubia Say = haematodes Drury. common, the latter probably only a variety of dubia.

" Lecontei. Abundant in w. Texas. Aug-Oct. They rest during the night or chilly weather in clusters closely attached to stems of grasses and plants.

✓ 857, 858. Single specimens on flowers of Chamaecrista in Aug. Myzine cribrata " dubia 890. ib. very common. R. discalis

The species of Elyaea are all nocturnal. A. globulus attracted by the light at night in enormous masses, spec. in the autumn.

924. Pseudomesa Bollii rare on Solidago flowers in Sept. 999-1002. ib. common. Melissodes sp. Sept. Oct.

✓ 941, 997. 1021. Single specimens.

991. Common on flowers of wild plum trees (Prunus) in May. Mel. mesmerobes

1017-1019. Quiet rare. Make nests of sand & small stony particles glued together on stems of plants. Hatch in the last days of Aug. & beginning of Sept. Anthidium

1109. 1 specimen, March 4th. Abia Kennicotti ✓ 1113-1115. Single specimens found on Chamaecrista flowers in August.

91 Scolia dubia, ~~Say~~ var haematodes. Drury

92 " Lecontei Cress

93 " ~~nobilitata Drury~~ ♀ ♂

94 Mutilla Isabella Cres.

95 — Tapajoo Blake

96 " melicausa Bl.

97 " pallida Bl.

98 Tiphia

99 d [illegible] Bl

100 Mutilla punctata Bl.

101 —— propinqua Cres.

102 —— Oajaca Bl

103 —— Bruneri Bl

104 —— Orcus Cres

105 }
106 }
107 } Formicidae — not studied
108 }

109 Labidus major Cres n. sp

110 " pallidus Cres 18 "

111 " Sayi Hald 20

112 — " minor Cres 19 "

Belfrage's Notes on spec. sent to Cresson

56
57
58 } Chalcididae, not studied
59

60 Astata rufiventris Cress ♀. n. sp
61 —— unicolor Say ♂
62 Trypoxylon frigidum Sm
63 Trypoxylon tenense, Sauss (?)
64 Cerceris bicornuta Guer ♀
65 Philanthus punctatus ~~Fab~~. Say.
66 } Lunada texana Cress —— n. sp
67 }
68 —— —— virulenta Cress ?
69 Bembex Belfragei Cress. n
~~70~~

The Pacific Entomologist.
EDITOR'S OFFICE,
Rock Island, Ill.,
981

22 Coming to the light at night, frequently found from May to Nov.
23. ibid , rare, June-Aug. | 24. ibid. common May-Aug | 25 ibid. rare July
26. Frequently found on flowers of Inula in Sept & Oct.
27. Not common on flowers of Synanthera in Sept.
28. On flowers of Inula, common in Sept. | 29. ibid. Sept. not common. | 30. ibid. Oct. common.
31. ibid. , rare in Oct. | 33. ibid, rare in Sept & Oct.
32. On flowers of Synanthera in Sept & Oct.
34. One specimen found Oct. 30th. on the flowers of *). | 35. ibid. rare in Oct.
36. On flowers in Aug.
37. Very common on flowers also on sandy roads, June - Sept.
38. A few specimens found on fences in Sept.
39. 2 species quiet rare on flowers of *) in Oct.
40. Specimens found frequently in Sept & Oct. on flowers of *)
41. On plants of ♂ in Oct. | 42. ibid, in wet pleaces. May & June.
43. On flowers of Cactus in July.
44. On flowers, precentim Mimosa in May & June.
45. On flowers of Solidago in Sept. quiet common.
46. On plants & flowers in June - Oct.
47. Frequently found in sunny places, hunting for prey.

*) Referring to the plant here inclosed. This (as I suppose you have found yourself) is a most common plant in the autumn in Texas (var. from 1 to 6 feet in height) on which is found myriads of insects, principally; Lepidopt, Hymenopt. & Dipt. Not Knowing its name, you would much oblige me to send it.

A few notes regarding some Hymenoptera & Diptera collected in Bosque Co. Texas.

1. Found on flowers of Inula in the autumn.

2. On flowers, very common in the summer & autumn.

3. Frequently found on flowers of Inula in Septemb.

4. On flowers of Eupatorium in the autumn.

5. Species found quite common on flowers of Solidago in Sept. & Oct.

6. Very common on flowers in July & Aug.

7. Found quite common on the flowers of *) in Sept.

8. On plants in Aug.

9. Common in houses, on fences etc. June - Sept.

10. On sandy roads, Aug & Sept.

11. Frequently coming to the light at night. May - Sept.

12. On flowers of Inula in Sept.

13. Common in May & June on Mimosa flowers.

14. On flowers of *) in Octob.

15. Coming to the light at night, Aug - Oct.

16. Found on flowers of *) in Octob.

17. In houses, June & July.

18. Coming to the light at night, May, not common. Also at Houston in the spring, rare.

19. ... ibid. ..., June - Aug.

20. ... ibid. ..., a very common species found from May to Oct., also in Harris & Grimes Co., very abundant.

21. ibid. ..., rare in July - Sept.

Belfrage's Notes on spec. sent to Cresson

35 Agathis ~~imitatalis~~ vulgaris Cr.
36 Bracon nuperus Cr n. sp
37 — collatus Cr "
38 Microgaster stigmaterus Cr "
39 Microdus pedalis Cr "
40 Aleiodes atricornis. Cr "
41 —"— discolor Cr "
42 Chaonia melina Cr "
43 Chelonus texanus Cr. "
44 Agathis pygmaeas Cr "
45 (Ichneumonidae)
46. Leucospis affinis Say
47 ~~Chalcis~~ Smicra mirandra Cr n. sp
48 ~~Chalcis~~ Smicra ~~immaculata~~ dorsata Cr "
48½ —— mirabilis Cr "
49 —— immaculata Cr "
50 Chalcis flavipes? Fab
51 —— tegularis Cr "
52 Perilampus platygaster Say
53 } Chalcididae not studied
54 }
55 }

The Practical Entomologist,
EDITOR'S OFFICE,
New Haven, Ct.,
786

A few notes regarding some Hymenoptera & Diptera collected in Bosque Co. Texas.

1. Found on flowers of Inula in the autumn.

2. On flowers, very common in the summer & autumn.

3. Frequently found on flowers of Inula in Septemb.

4. On flowers of Tyrianthera in the autumn.

5. Species found quite common on flowers of Solidago in Sept. & Oct.

6. Very common on flowers in July & Aug.

7. Found quite common on the flowers of *) in Sept.

8. On plants in Aug.

9. Common in houses, on fences etc. June - Sept.

10. On sandy roads, Aug & Sept.

11. Frequently coming to the light at night. May - Sept.

12. On flowers of Inula in Sept.

13. Common in May & June on Mimosa flowers.

14. On flowers of *) in Octob.

15. Coming to the light at night, Aug-Oct.

16. Found on flowers of *) in Octob.

17. In houses, June & July.

18. Coming to the light at night, May, not common. Also at Houston in the spring, rare.

19. ... ibid. ... , June - Aug.

20. ... ibid. ... , a very common species found from May to Oct., also in Harris & Grimes Co, very abundant.

21. ... ibid. ... , rare in July-Sept.

w 1 Melissodes obliqua Say ♂♀
w 2 —— — menuacha Cress.
w 3 Pompilus? aethiops, Cresson ♀. n.sp
w 4 Epeolus lunatus Say. ♀
w 5 Odynerus anormis Say.
w 6 Scolia ~~Elis~~ ~~vast~~ Lecontei Cresson ♂♀.
w 7 Microdus thoracicus Cress. n.sp
w 8 Agathis texanus Cres "
9
y 18: same as 7w w 10. Mutilla Traco Blake
w 11 (Formicidae)
w 12 ~~Agapostemon~~ Augochlora pura Say = y 12. Exochus atricoxalis Cr.
w 13 Ptilia texana Norton. ♂♀.
w 14 Ammophila
w 15 Ophion bilineatus, Say w 16 Melissodes
y 16 Paniscus seminatus Say. 13, 14, 15. & 16
y 17 Ophion bilineatus Say = w 17. Hypoxylon texense S.
w 18 Labidus pallidus Cres = y 18 Heterospilus flavitarsis C.
w 19 " minor Cres y 19 Pharsalia texana Cres
w 20 " Sayi Auld y 20 - Campoplex bellus Cr
w 21 Mutilla y 21 - Ponzion audax Cr
w 22 — " — y 22 — " — facilis Cr
w 23 y 23 - Campoplex rufipes Cr. var
w 24 ~~Alcides ochraceus Cr.~~ y 24 - Hemiteles arvalis Cr.
y 25 Cryptus calipeterus Say ♀ w 25. Alcides ochraceus Cr
y 26 Ichn. trogiformis Cres.
y 27 " vivida Cres
28 ♂ of 25
y 29 Chamica nupera Cr.
30 } Bracon faustus Cr
31 }
32 — " simulans Cr
33 Bracon mavoritus Cr.
34 Agathis meabilis Cr

Cresson's list "Sent to Belfrage"

Belfrage's Notes on spec. sent to Cresson

Cresson's list "Sent to Belfrage"

Coll. 908
#3

(1)

The Practical Entomologist,

Publisher's Office, 518 S. 13th St.

Philadelphia, 186

AMER. ENT. SOC. MS. E 104

Odynerus capra. Saus. ♀ – 2

" annulatus Say. ♂♀

" unicinctus. Say. ♀. 2

" quadrisectus. Say. ♂♀ 2

Mellinus rufinodus. Cress. ♂♀

Cerceris fumipennis. Say. ♀

Philanthus Saubornii. Cres ♂♀

Larra unicincta. Say. ♀

Scolia 4-maculata. ♀, ♂♀

" bicincta. ♀. ♂♀

Vespa sulphurea. Saus

Mutilla occidentalis. L. ♀

" biocpulata. Cress. ♂

Inyproxylon politum. Say. ♀

Masaris vespoides. Cress. ♀

" zonalis. Cr. ♀

" marginalis. Cr ♀

Bembex fasciata ♀. ♂

" emarginata Cr ♂

Pterochilus 5-fasciatus. Say ♂

Andrenidae not studied

134
135
136
137
138
139
140
141
142 Halictus armaticeps Cr
143 " " " laeriventris Cr.
144
145
146
147
148
149 Agapostemon occidentalis Cr.
150. Augochlora mirabilis Cr.

Andrenidae, not studied

Cresson's "types" in Belfrage Coll.

C Coll. 908 (2)

Cresson's list "Sent to Belfrage"

Cresson Types of Hymenoptera - Belfrage Collection

In United States National Museum, Washington. D.C.

Species.	Genus	♂♀	Type No.	Condition.
Ichneumonidae.				
agilis,	Porizon?	♀		
animosa,	Pimpla	♂♀		
belfragei,	Ichneumon	♂		
bicoloratus,	Mesoleptus	♂		
bioculatus.	Exetastes	♂		
conspicuus,	Hemiteles	♀		
corrupta,	Limneria	♀		
delicatus,	Mesoleptus	♂		
discoidalis.	Mesostenus	♀		
erectus,	Exochus	♀		
fura,	Limneria	♀		
illepida,	"	♂		
infesta,	"	♀		
introitus,	Mesostenus	♂		
laticeps.	Cryptus	♂		
mellenn,	Anomalon	♀		
pertinax,	Mesostenus	♀		
petulca,	Pimpla	♀		
piceus,	Cremastus	♀		not found
propitius,	Ichneumon	♂		
rileyi,	Trogus:	♀		not found in U...
rivalis,	Limneria	♂♀		
rotundiceps.	Mesoleptus?	♂		
sanguinipes,	Pimpla	♀		
stigmaterus,	Mesoleptus?	♂		
strigosus,	" ?	♂		strigosus
texanus,	Exochus	♂		
tibialis,	Charops	♂		not found
uniformis,	Mesochorus	♀		
Braconidae.				
abdominalis,	Ichneutes	♀		
aciculatus.	Hormius?	♀		
belfragei,	Bracon	♀		
brunneiventris	Opius	♂		
connectens,	Chelonus	♀		
disjunctus,	Bracon	♀		
electus,	Chelonus	♂♀		
laeviceps,	Dacnusa	♀		
mandibularis,	Rogas	♂		
minimus,	Bracon	♂♀		
molestus.	Rogas	♀		
nigriceps,	Microdus	♂		
novitus.	Bracon	♂		
piceus,	Trioxys	♂♀		
rugiceps,	Bracon	♀		not found
rugulosus.	Exothecus	♀		
testaceipes,	Trioxys	-		
verticalis,	Microdus	♀		
Chalcididae.				
facetus,	Smicra	♂		
fedalis,	Chalcis	-		
subobsoletus,	Smicra	♂		
zabriskii,	Diomorus	♀		

AMER. ENT. SOC. MS. E104

Proctotrupidae.			
analis.	Epyris	♀	
atriventris.	Bryanus	♀	
Pompilidae.			
texanus.	Ceropales	♂	
Sphecidae			
abdominalis.	Sphex	♂	
brunnipes.	Trionoxys	♂	
Larridae			
belfragei.	Larrada	♀	
terminata.	Astata	♂	
Nyssonidae			
belfragei.	Gorytes	♀	
inermis.	Nysson?	♀	
texanus.	Alyson	♂	
Philanthidae.			
jucunda.	Cerceris	♂	
Odyneridae.			
designatus	Odynerus	♀	
electus.	"	♂	
texanus.	"	♀	
texanus.	Pterochilus	♀	
Andrenidae			
belfragei.	Andrena	♀	
bruunidentris.	"	♂	
melliventris.	"	♀	
texanus.	Halictus	♂♀	
Apidae.			
frugalis.	Megachile	♂	
intermedia.	Melissodes	♀	
lucrosa.	Megachile	♀	
medius.	Bombus	♀	(Utah. Coll. Smith'sonian) Don't think it is true. I much doubt but will. Insects at this time and there always to [illegible]
texana.	Osmia	♂	
comstockii.	Ephialtes	♀	(Coll. U S. Nat. Mus. N.Y.)
In Collection of Heiligbrodt - Do you have this Collection?			
grossa.	Gnamptilla	♀	
Heiligbrodtii	Triacnemis	♀	
In Collection of B.D. Walsh			
amoena.	Nomada	♀	

Please return this to
E. T. Cresson
Am. Ent. Soc. Logan Sq.
Philadelphia

In Belfrage Collection

or U.S.N.M.

AMER. ENT. CO.

p. 21. agilis, Porizon? ♀. (N.M. 1591)

21½ albipes, Polysphincta ♂. (?) not found

24 amniosa, Pimpla. ♀ not found

29 belfragei, Ich: ♂ (N.M. 18802)

bellus. Campop. ♂ var. a. (N.M. 1583)

30 bicoloratus, Mesoleptus ♂ (" 1493)

" bioculatus, Exetastes ♂. (" 4018)

37½ constrictii, Ephialtes ♀ (N.M. 1527)

38 conspicuus, Hemiteles ♀ (N.M. 1579)

" corrupta, Limneria ♀ not found

41 delicatus, Mesoleptus ♂ In Soc.? not found (N.M. 1601)

" delicatus, Porizon? ♂ — (Soc. 1596)

42 discoidalis, Mesostenus ♀ (N.M. 1575)

44 evectus, Exochus ♂ ♀ (N.M. 1606)

50 fura, Limneria ♀ (N.M. 1586)

53 illepida, Limneria ♂. not found

54 infesta, Limneria ♀ (N.M. 1587)

55 introitus, Mesostenus ♂ (N.M. 1577)

57 laticeps, Cryptus ♂ (N.M. 1571)

59 longicaudis, Mesostenus ♀. (Soc. 1182)

62 mellenus, Anomalon ♀ (N.M. 1581)

73 pertinax, Mesostenus ♀ (N.M. 1429)

" petulca, Pimpla ♀ (N.M. 1609)

74 piceus, Limneria ♀ Not found

75 propitius, Ichn. ♂ (N.M. 1567)

78 retiniae, Hemiteles ♂ (?) Ithaca Ny

" rileyi, Ipobus ♀ (?) Riley Coll. Ill Not in Nat Mus.

" rivalis, Limneria ♂♀ (N.M. 1588)

(under)

NUS

✓ 1.79 ✓ rotundiceps, Mesoleptus? ♂ (N.Nu. 1602 ✓)

✓ 81 ✓ sanguinipes, Pimpla ♀ (N.M. 12.277 ✓)

✓ 84 ✓ stigmaterus, Mesoleptus? ♂ (N.M. 1603 ✓)

✓ " ✓ strigosus, Mesoleptus? ♂ (N.M. 1604 ✓)

✓ 88 ✓ texanus, Exochus ♂ (N.M. 1607 ✓)

✓ 89 ○ tibialis, Charops ♂ not found ✓

✓ 90 ✓ timidus, Physadeuon ♂ (Soc. 1228) ✓ (N.M. 1428 ✓)

✓ 92 ✓ uniformis, Mesochorus ♀ (N.M. 1590 ✓)

Braconidae →

✓ 97 ✓ abdominalis, Ichneutes ♀ (N.M. 1642 ✓)

✓ " ✓ aciculatus, Hormius? ♀ (N.M. 1621 ✓)

✓ 98 ✓ belfragei, Bracon ♀ (N.M. 1610 ✓)

✓ 99 ✓ brunniventris, Opius ♂ (N.M. 1646 ✓)

✓ " ✓ connectens, Chelonus ♀ (N.M. 1629 ✓)

✓ 100 disjunctus, Bracon ♀ Not found ✓

✓ 101 ✓ electus, Chelonus ♂♀ (N.M. 1630 ✓)

✓ 103. ✓ laeviceps, Dacnusa ♀ (N.M. 1647 ✓)

✓ " ✓ laeiventris, Ichneus ♂ ~~(Soc 1236)~~ (N.M. 1640 ✓)

✓ 104. mandibularis, Rogas ♂ Not found ✓

✓ 106 ✓ minimus, Bracon ♂♀ (N.M. 1613 ✓)

✓ " ✓ molestus, Rogas ♀ (N.M. 1625 ✓)

✓ " ✓ nigriceps, Microdus ♂ (N.M. 1637 ✓)

✓ " ✓ noritus, Bracon ♂ (N.M. 1614 ✓)

✓ 107 ✓ picens, Meteorus ♂♀ (?) Norfolk Va (USDepAg. 1650 ~~1644~~ ✓)

✓ 109. rugiceps, Bracon ♀ Not found ✓

✓ " ✓ rugulosus, Exothecus ♀ (N.M. 1620 ✓)

Types lost, or not found

MS

p. 110 testaceipes, Dinocys - ♀ Hadz (USNM) (MS Dep Agric 1649)

" texanus, Ichneu ♀ (Soc. 1761.)

111 verticalis, Microdus ♀ Not found

Chalc 112 deliria, Smicra ♂ (Soc 1782)

113 faceta, Smicra ♂ (Soc. not found) (U.S.N.M. 1653)

114 pedalis. Chalcis ♀ (Soc not found) (" 1660)

115 subobsoleta, Smicra ♂ (" 1436)

" sanguinipeatis Smicra ♀ (Soc 1785)

116 analis, Epyris ♀. (N.M. 1662)

" atriventris, Dryinus ♀ not found

p. 118 nigrescens, Labidus ♂ (Soc 1855)

129 dubiosa, Myzinum ♀ (Soc. 577)

135 facetus, Sphecoenus ♀ (Soc 494)

137 Longa, Agenia ♀ (Soc. 474)

135 elegans, Centistes ♀ (Soc. 457)

135 pedalis, Planiceps ♀ (Soc. 433)

137 minimus Aprons ♂ (Soc. 434)

139 nubivantris, Aprons ♀ (Soc 435)

136 Pachylotus (Smicra) ♀ (N.M. 1669)

140 texana, Cenocha Cas ♂ (N.M. 1680)

142 abdominalis, Sphex ♂ (N.M. 1689)

144½ bolbragei, Lamada ♀ (N.M. 1696)

146½ bruunipes, Bruno ♂ (N.M. 1691)

145 rufiventris, Astata ♀. (Soc 1693)

" rufofasciata, Dasyglis ♂ (N.M. 1433 Soc 2008)

146½ terminata, Astata ♂. (N.M. 1694)

148½ inermis, Nysson? ♀ (N.M. 1714)

" bolbragei, Gorytes ♀ (N.M. 1710)

149 texanus, Alyson. ♂ (N.M. 1712)

152 jucunda, Cerceris ♂ (N.M. 1716)

158 designatus, Odynerus ♀ (N.M. 1731)

" electus, Odynerus ♂ (N.M. 1783)

159 texanus, Odynerus ♀ (N.M. 1740)

" texanus, Pterochilus ♀ not found

NUS
andrenidae

162. belfragei, Andrena ♀ (N.M. 1753)

bipunctata, " ♂. Soc. not found (N.M. 1440)

bonnincentris, " ♂ Not found

164 melliventris, " ♀ (N.M. 1755)

~~texana, " ♂. (Acad Soc Coll)~~

166. texana, Halictus ♀♂. Not found.

Apidae

170. atripes, Melissodes ♀ (Soc 2363) x —

171 belfragei, " ♀ (Soc 2300) x —

175 comata, Megachile ♂. (Soc 2452) x —

180 frugalis. " ♂ (N.M. 1780)

183 interrogatica, Halictus ♀ Not found. x

186 lucrosa, Megachile ♀ (N.M. 1600)

~~187 medius, Bombus ♀ Smith Inst.~~ lost

200 texana, Anthophora ♀ (Soc 2263) x —

201 texana, Osmia ♂ (N.M. 1757)

bipunctata Andrena ♂ (N.M. 1440)

Types ret'd by Belfrage

Types lost, or not found

Types ret'd by Gundlach.

Suppress
2665 – Neotype Ischnus affinis
1645 " Ich. annulipes.

Examine type of Macrocentrus delicatus. Should be made the type. Compare with description See p. 13 of Rolke Notes

Mus. Comp. Zool.

Emphytus Bollii 1♀ Boll Coll

Metopius Hagenii 1♀ " M. Comp Z

Mutilla Clotho, 1♀. "

Myzine rufiventris 1♂. " M Comp Z

Elis lupina 1♀ " M. Comp Z

Priocnemis Bilimekii 1♀ Bil Coll. U S N M

Psammophilus contiguus 1♀ Boll M Comp Zool

Ammophila grossa 1♀ Bell not in U S N M

Gorytes costalis 1♀ Boll Mus Comp Z.

—— Bollii 1♀ " do

(Note. Jan 19.16. Wrote Dr. Strunhaw for condition of these types if still in Mus. Comp. Zool.)

p. 138 Nothus (Comp.-Priocn.) ♀. Conn.
p. " pauxillensis (Mysmenia) Pau
p. 172 Immaculatus (Bombus) Conn
p. 182 Auctumnus (Bombus) H B J

Olson, O. M. Biographical

Cresson's "types" in Belfrage Coll.

ENTOM. SOC.
MS. E 104

Mr

Dec 20th 1882

E. T. Besson.

Dear Sir

It is with sorrow that I here with inform you, that our frind G W Belfrege Died on Dec 6th inst. Leaving a fine collection of Insects, which are in my charge.

Yours Truly

O McOlsen M.D.

For further information address.

O. McOlsen, M.D.

Norse P.O.

Bosque Co.

Texas

Ans 12/29/82

(Olson, O. M. Biographical

Copies of letters of E. J. Bresson to G. W. Belfrage for preservation by Amer. Ent. Soc. Originals in U. S. National Museum.

5 pages 1867–1870

NORTH DAKOTA AGRICULTURAL COLLEGE
DEPARTMENT OF ZOOLOGY
FARGO, NORTH DAKOTA

ARTHUR D. WHEDON

Professor P. P. Calvert,

P.O.Box 14,

Cheyney,

Penna.

American Entomological Society

No. 518 South 13th Street

Philadelphia, Mch. 26 1867.

G. W. Belfrage Esq.

Dear sir:-

Your favor of the 9th inst. reach'd me a day or two ago. I have marked, on the enclosed slip, directions about the height to pin specimens. You had best pin all the specimens you can, & should any be too small to pin, they can be put on paper; but we would rather have them pinned if possible. Please collect all the species you can of Hymenoptera & Diptera. There is no special family we desire more than another. Wishing you every possible success, I beg to remain

Very truly yours

E. T. Cresson

Philad Jan. 11. 1872

Mr. G. W, Belfrage.

My Dear sir:-

This day I have sent you (% Forsgard & Co.) a box, by Express, charges prepaid, containing a part of your Hymenoptera Texana; also parts 8 & 9 of the "Butterflies of N. America" & No. 2 of Vol. 3 Of Transactions. No. 3, concluding the vol. nine is nearly ready. For over three months I have been kept so very busy at my business, that I have not been able to work scarcely any at insects, consequently I am able only to return a part of your insects at this time & will do my best to have the others ready soon. You will see by the list ,included in the box, what I have yet to send you. Also, in consequence of want of leisure, I could send you only a few species in return for what you sent me or rather the Society; but will try to do much better next time. The labor of determining & describing species is great, & when I think that I must do all in the evenings, having to work all through the day-time, I am sometimes almost persuaded to give up Entomology after I finish my memoir on your Hymenoptera Texana. Should you have any more undetermined species, please send them as soon as possible, so that I may include them all in my paper & make one job of it. If I could work at insects in the day-time I could accomplish a great deal in a month.--. With gas-light one works under difficulties, as some colors appear to change more or less, & besides this it is very hard on the eyes. The species I have retained are the most difficult to determine & will cost me much time & labor to get through them correctly. Several new genera will have to be established & most of them described as new species. I have never studied the Chalcididae & Formicidae & have returned them as "not studied" -- Should I ever reach them in my studies I will let you know. I wish you would investigate the habits of the genus Masaris of which I send you 3 species, & of which you have found 2 new species. Please collect all the specimens you can and let me know how much you will sell me a dozen pairs of each species. I shall be anxious

(5) Apathis variabilis Cres. proves to be a variety of A. insularis Smith -- Mr Smith

to see what new kinds you may have for me to investigate & trust you will not delay in sending them on so that I may incorporate them with the others. I have packed the boxes (5 in all) as carefully as possible & all were in good condition when they left here,& I trust they will reach you in like condition. I would write you a longer letter, adding some notes on the species you have given me the opportunity to investigate,but want of time will, at present, deprive me of this pleasure. I will try to take the time, before long, & give you some notes. I will also write you about the books I send. You need not remit any money for Parts 8 & 9 until I write you to do so. If you could send me some specimens of Masaris, also of Nos. 436,442,457,463,464,466,533,590 & 535 (5). I would not ask any money in payment. Please let me know when you receive the box & in what condition as I shall feel anxious that you receive them safely.

Yours truly

E. T. Cresson

P. O. Box 31.

I hope your health is improving.

Express address --

E. T. Cresson, No. 738 So. 12th Street,

Philadelphia, Pa.

(5) Apathis variabilis Cres. proves to be a variety of A. incularis Smith -- Mr Smith

The American Entomological Society

Treasurer's Office

No. 421 Walnut Street

Philadelphia, Aug. 25th 1873.

G. W. Belfrage Esq.

Dear sir:- Your favor of July 26th came to hand a few days ago, & made me feel glad to hear that you were alive and well,& still at work at insects. I shall be quite anxious to see your work on the insects of Bosque Co. Where do you propose to publish it? I do not feel altogether satisfied wit Mr. Blake's determination of the species of Mutilla & Agama -- thinking he has made too many species; hence, I would like very much to receive from you for examination as large a collection as possible of these genera, which you may send me when you have others ready which you desire me to determine for you. I would like to work up the new material you may have collected & publish an additional paper on Texan Hymenoptera. To do this I should receive them as soon as possible this fall or winter as one feels more like doing such work when the weather is cold. Send all packages to me at # 738 So. 12th St.- In a few days I will send you several copies of my paper on Hymenoptera Texana to which you are welcome. Mr. Heilybrodt's address is P. O. Box 43,Bastrop, Texas. I do not know in what business he is engaged. Dr. LeConte has returned from Europe; Dr Horn willprobably not leave before spring of 1874. I shall put by for you a series of Californian Hymenoptera & send them along with the next box I send.

Very cordially yours

E. T. Cresson

Corrections in "Hymenoptera Texana":-

(1) Notocyphus dorsalis Cres. is a variety of N. plagiatus Sm.

(2) Pepsis formosa (Say) is P. caerulea Fabr.

(3) Panurgus picipes Cres. belongs to the genus Calliopsis Sm.

(4) " ornatipes Cres. is Calliopsis andreniformis Sm.

(5) Apathis variabilis Cres. proves to be a variety of A. insularis Smith -- Mr Smith

Mus. Comp. Zool. 502. MAY 5 1924

to Belfrage (typed transcriptions)

Writes me that you have sent me many new & beautiful species since the publication of my " Hymenoptera Texana " -- I have not received any from you & suppose he must have misundersood you, -- I shall be glad to see them.

on E.T. to Belfrage (typed transcriptions)

AMER. ENT. SOC. MS. E104

Office of

American Entomological Society

P. O. Box 31 .

Philadelphia, November 24th 1875

G. W. Belfrage, Esq.

My dear sir:- I have your favor of 15th inst & am glad to hear you have received the box I sent you some time ago. I wish I or the Society were able to purchase your entomological collections as they must be very fine, but we do not have the money. In your collections of Hymenoptera you have a number of types described by me from single specimens. Now, in case you disposed of your collections it would be a pity that these types should go out of the country. Could you not make up your mind to present them (the types) to this Society, so that they may be well preserved & at all times accessible to the student? Or if you could not do that, would you sell them to me at a reasonable figure, say 15 cts each? I hope however ~~that~~ you will feel willing to make them a gift to the Society, as I myself am too poor just now to afford to spend the money, having a family to support & the times are hard this winter. I enclose here a list of species (types) which are in your collection, but are not in that of the Society. Perhaps by this time you may have duplicates of some, in which case if you can send the original specimen from which the description was made, it would be more valuable to the Society. We are receiving offers, some very reasonable ones too, every little while, of very fine collections, but we are too poor to buy, having merely sufficient funds to pay the running expenses of the Society such as rent, light & fuel. We are about to move our collections & library into fire proof apartments provided for the Society in the new building of the Academy of Nat. Sciences in this City. There our collections will be carefully preserved after you & I are in our graves. Dr. LeConte has not yet paid over the $ 9.20 you speak of; perhaps he is waiting instructions to do so from you. Please reply to this favorably if you can as soon as convenient.

Yours

E. T. Cresson

P. O. Box 31.

AMER. ENT. SOC. MS. E 104

Office of

The Franklin Fire Insurance Co.

Philadelphia Febry 14th 1880

Mr. G. W. Belfrage.

Dear Sir:-

I write to ask if you will endeavor to pick out and send me for the collection of the American Entomological Society, as soon as you possibly can, the types of new species of Hymenoptera which were unique in your collection at the time I published my Hymenoptera Texana. They are desiderata in our collection & it is very important that they should be preserved. In case of your death-- which I trust is far distant -- they might become scattered and lost to science. In a late letter you said you intended to present those types to our collection, & I hope you will be able to carry out your intention very soon. The collections of the Society are very large & valuable & will be carefully guarded from destruction, so that whatever you may please to place there, will be safe and accessible to science, for many generations to come. Please do not delay any longer than you can help in sending on the types desired --

I trust this may find you in the enjoyment of health & prosperity, & that you may live long to continue the work of bringing to light the Entomological fauna of Texas, so beautiful & interesting.

Please let me hear from you soon.

Very truly

E. T. Cresson

P. O. Box 31

P. S. Have you yet received Vol. 7. of "Transactions" sent you some weeks ago?

Belfrage, G.W.
Cresson, E.T. to Belfrage (typed transcriptions)

AMER. ENT.
SOC.
MS. E 104

Waco, Texas.
[illegible], 1894.

O. T. [illegible], Esq.

Dear Sir

The Transactions Vol. II numb. 3 & 4 & Vol. III numb. 1 is duly received.

[illegible]

Very Respectfully
yours
G. W. Belfrage.

O O O

up to date it has not been the case, a few months more may do it, otherwise

SOC.

Waco, Texas.
March 6th. 1871.

Co. J. Peterson Esq.

Dear Sir

Your favor of Feby. 21st. arrived yesterday and I hasten to [illegible] you the reply concerning the box. The box which was directed to D. P. Lewis, 518 Pearl 13th Sts. was sent from Bosque Co. when I reside to Waco the 30. of Feby. for further transportation. As we have no express office in that city it had to be sent by stage some miles before it comes in the hands of the express company. I therefore presume it will yet be all right, so much the more as Mr. Wilt's box was sent Jan 8th. (not Feby 4th) and not arrived to Philadelphia before the 15th. Feby. Meanwhile I write and to day to Mr. Forsyth for the receipt.

I am glad to could say that I am quiet sure to set out on my travel to new Mexico if I can raise the sum I have asked for in Philadelphia, the other quotas being nearly filled up.

Hoping the box may yet safely arrive I remain

Very Respectfully
Yours
F. W. Belfrage.

up to Feby it has not been the case, a few months more may do it, & then we

AMER. ENT.
MS. E 104

Waco, Texas.
Dec. 6th. 1871.

Ed. T. Goreson Esq.

Dear Sir

Your Kind favor of nov. 11th. came to hand a few days ago. It glad me much to hear you so far advanced in the work on the Rhopa. of Texas and am I anxiously waiting as well the return of the sam. as the other determined species you mention in your letter. As soon as they come to hand I will make up the exchange & additions and when ready immediately forward them. I presume you will among the lot find several new and rare species.

Part 7 of Edwards Butterf. is came duly to hand, and about which I informed you by a letter of nearly 2 weeks, inclosing $1.00 due for the same, the $1.00 to be collected from Mr. Riding as stated in your letter of Nov. 25th. last year, in which you say; "I send you by mail copy of Part 6 of the Butterflies of N. America, which is paid for by your remittance of $2.00 in your favor of Aug. 23d. Dr. Horn having paid me $7.00 for Part 5 & Trans. Vol. 3 & Nos 3 & 4 of Vol. 2. As Mr. Riding should have credit for 3 & 4 of Vol. 2 I will collect the $1.00 from him & credit you with that amount on % of part 7 now nearly finished."

I had hoped the cooler season would restore my health, but am sorry up to date it has not been the case, a few months more may do it, at the rate

I hardly know how it will go with my plans for the next year.

Very Respectfully

yours

F. W. [illegible]

Belfrage, G W

Received 4/3 72
Ans'd 4/3 72

Am. Phil. Soc.
MS. E 104
F. Am. Ent. Soc.

May 18th. 1872.

To Prof. Cresson Esq

Dear Sir

I am now through my Hymenoptera and have made up the additions which I send to Mr. Leeds to day by express. It contains 529 specimens put up in 4 boxes under 450 different numbers, several of which correspond to those before sent, but of which I have not yet received the names. The new additions are numbered 695–1115. many of these may be only varieties or different sexes, but I have had little time for a closer inspection of the species and I presume it is always better to send a little too many than too few. In any case I hope you will find a number of novelties and the sending useful for your work on the Hymenoptera-Fossores. This collection I would be obliged to get returned in whole. But as it surely will please me to communicate a number of my rarities to the Society or to yourself if you have a private collection I have made a small addition of 46 species in 77 specimens which I have enclosed separately, marked Am. Ent. Soc. Phila. Please present the same to the Society if you do not wish to keep them for your own use in which case they will be very welcome to you. As I do not know your wishes, except the few you mention, concerning what species may be desired by the Society I send so few, but it will please me to dispose

[illegible] specimens I am [illegible] which you requested in this sending I now forward. Please dispose of this addition either for your own or the [illegible]

Of the 2 Masaris which you ask for I can do little at present. M. Texana I send you a ♀, all what I can spare at present, but this (a nice ♂ will probably be able to collect this spring) as I know the precise locality where I have collected it for several years. Of the other I have only found a single specimen which I sent last for Determination. I fear it will be difficult to ever find this species any more as it was collected on a precise whitsun giving the least clue on what flowers it may be found. About the other species you ask for I send Nos 436, 442, 533, 535(6). The female of the last species I have not seen, neither any belonging to the genus Ceramius. No 496 I may have mixed with P. texana as I can not find out on what characters you have separated these two species. 457, 464 & 530 I have only single specimens. What I sent by the number 463 I do not know as this species was not returned, but suppose it was a Notocyphus? in which case you will find it besides another species of this genus? in the sending.

I am sorry that I did not receive a larger requisite of wanted species from you as it would have glad me very much to dispose of a number of my novelties of which I am now in possession. But when you return my Texana please give me a complete list of all wanted species when I will do my best to complete the same.

I regret to hear your time so engaged that it is necessary for you to use the evenings for the Entomological studies. Under such a circumstance my additions may probably give a long time yet before your Hym. Texana can be ready for publication. It would glad me very much if your time permitted the work to be concluded this summer as I hope to could give a few months next winter to some notes about my Texan Hymenoptera which I should like to get published when your work are out. As only a part of the same are written down, I have to keep most of them in my head, so a delay may spoil 4 years observations on the interesting habits of a number of Hymenoptera.

Besides your leaves I have taken me the liberty to enclose 1 box for Prof. P. Rp. Uhler & 2 small boxes for Dr. Lewis & Mr. Wm. H. Edwards which I may ask you to kindly keep to you hear from them.

Hoping the collection may safely arrive and asking you to oblige me by an information when it come to hand

I remain

Very Respectfully

Yours

G. W. Belfrage.

Schulten. Brazos Co., Texas. 13/9 80.

AMER. ENT.
SOC.
MS. E104

Waco, Texas.

Sept. 7th. 1872.

Rec'd 9/19/72
Ans 9/19/72

E. T. Cresson Esq.

Dear Sir

Your favor of June 4th. came first to hand a few days ago on my return from a collecting trip. I am sorry that I did not know your wish to receive the additions of Hymenoptera before, but if it is not too late yet, I will forward them as soon as informed. Beside the additions it will please me to send for the Society's collection any Hymenoptera I can spare, please give a list by the numbers.

I am in much obligation for your kindness to send me your monograph on the Leucospis, Smiras & Chalcis. As soon as I get little more time I will look over my Hymenoptera and see what additions I may have of this genera.

I have collected a number of ants, but have had little time for observations on their habits. Do you want a set?

I have not the favor to be personally acquainted with Dr. Lincecum but I presume he is still alive having frequently found him contributing some papers in the American Naturalist, the last a couple of months ago on the ponerid's rats of Texas.

I have never found a ♀ of the genus Agama, have spent hundred of nights to find them and the ♀ of the Labidus not.

About the habits I am just investigating a discovery made a few days ago.

Waiting the favor of your reply I remain

Very Respectfully

yours

G. W. Belfrage.

Belfrage

Clifton, Bosque Co., Texas. 13/9 80.

AMER. ENT. SOC. MS. E 104

Dear Sir

I have asked Mr. Chas. Wilt the favor to pay my subscribtion for Vol VIII Trans. Amer. Ent. Soc. When you receive the amount please send me the published numbers. I have been so occupied with the arrangement of my Coleoptera this year that I have given up everything else. The work is now concluded and I hope during the winter to give my whole time to the Hymenoptera when I will attend to the types to your Hymenoptera Texana.

Sent Vol. VIII Nr 182 10/2. 80

Very Respectfully Yours
G. W. Belfrage.

Clifton, Bosque Co., Texas. 13/8 82.

AMER. ENT. SOC. MS. E 104

Dear Sir.

I have asked Mr. Chas. Wilt the favor to pay my subscribtion for Vol IX Transactions Am. Ent. Soc. which when settled please send. I can now spare the type of Hylotoma Belfragei, having since the return of it found two other ♀♀ and what I believe the ♂. The latter I will send you in my next set which I hope to have ready in a couple of weeks. I am about certain the ♂ belongs to your Belfragei, but I have it before as miniata Kby, Nr 1116 your determination.

Very Respectfully Yours
G. W. Belfrage.

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

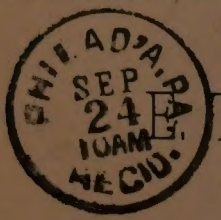
E. T. Gresson. Esq.

Box 31.

Philadelphia.

Pa.

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER



E. T. GRESSON,

PHILADELPHIA,

Box 31.

PA.

Belfrage, G.W.